

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1361	375/354.CCLS.	US-PGPUB; USPAT	OR	ON	2006/04/11 08:41
L2	860	375/355.CCLS.	US-PGPUB; USPAT	OR	ON	2006/04/11 08:41
L3	701	375/356.CCLS.	US-PGPUB; USPAT	OR	ON	2006/04/11 08:42
S1	44	(clock ADJ2 sych\$)	US-PGPUB; USPAT	OR	ON	2005/05/06 09:59
S2	25896	(clock ADJ2 synch\$)	US-PGPUB; USPAT	OR	ON	2005/05/06 10:08
S3	1	"6195759".pn.	US-PGPUB; USPAT	OR	ON	2005/05/05 16:17
S4	2158	S2 AND (variable WITH delay)	US-PGPUB; USPAT	OR	ON	2005/05/06 12:47
S5	152	S2 AND (variable WITH delay WITH transition)	US-PGPUB; USPAT	OR	ON	2005/05/05 16:18
S6	142	S5 AND @ad<"20030101"	US-PGPUB; USPAT	OR	ON	2005/05/05 16:19
S7	13	("4620180"   "5692165"   "5790612"   "5872959"   "5926047"   "6041419"   "6069506"   "6157690"   "6172537"   "6173432"   "6326830"   "6625242"   "6629250").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/06 07:41
S8	0	("6857080").URPN.	USPAT	OR	ON	2005/05/06 07:52
S9	30	("3737808"   "4431969"   "4623805"   "5157276"   "5157277"   "5157634"   "5208833"   "5258660"   "5272390"   "5287025"   "5327031"   "5465346"   "5467040"   "5481372"   "5485490"   "5546355"   "5554945"   "5554949"   "5557335"   "5615358"   "5794020"   "5835401"   "5901190"   "5944834"   "5944836"   "5953286"   "5966731"   "5987630"   "6090150"   "6127874").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/06 07:52
S10	6	("6484268").URPN.	USPAT	OR	ON	2005/05/06 07:59
S11	2	("5550514"   "6052011").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/06 08:09

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S12	5	("6373303").URPN.	USPAT	OR	ON	2005/05/06 08:11
S13	3	("5475324"   "5537069"   "6005904").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/06 08:14
S14	9	("6172537").URPN.	USPAT	OR	ON	2005/05/06 08:28
S15	1987	"output buffer" WITH delay	USPAT	OR	ON	2005/05/06 08:28
S16	91	"output buffer" WITH "variable delay"	USPAT	OR	ON	2005/05/06 08:28
S17	4	("4446389"   "4648021"   "4982116"   "5101127").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/06 09:17
S18	7	("6104225").URPN.	USPAT	OR	ON	2005/05/06 09:23
S19	3	("5164677"   "5223755"   "5973525").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/06 09:24
S20	16	("6194932").URPN.	USPAT	OR	ON	2005/05/06 09:25
S21	6	("4446389"   "4648021"   "4982116"   "5101127"   "5365181"   "6016283").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/06 09:34
S22	1	("6225841").URPN.	USPAT	OR	ON	2005/05/06 09:35
S23	5	("4841167"   "4912734"   "5461345"   "5920214"   "6009133").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/06 09:37
S24	2	("6239635").URPN.	USPAT	OR	ON	2005/05/06 09:37
S25	9	("5087829"   "5132555"   "5394077"   "5640112"   "5945846"   "5973525"   "6020781"   "6072345"   "6081145").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/06 09:38
S26	5	("20020017939"   "6275079"   "6378079"   "6456130"   "6492852").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/06 09:40
S27	0	("6693472").URPN.	USPAT	OR	ON	2005/05/06 09:41
S28	2	("5550514"   "6052011").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/06 09:41
S29	1	"transition based delay"	US-PGPUB; USPAT	OR	ON	2005/05/06 09:44
S30	0	"micron.AS."	US-PGPUB; USPAT	OR	ON	2005/05/06 09:44
S31	13922	MICRON.AS.	US-PGPUB; USPAT	OR	ON	2005/05/06 10:45
S32	243	S31 AND "output delay"	US-PGPUB; USPAT	OR	ON	2005/05/06 09:44

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S33	8	joo.IN. AND yangsung.IN.	US-PGPUB; USPAT	OR	ON	2005/05/06 09:45
S34	0	joo.IN. AND yangsung.IN.	EPO; JPO	OR	ON	2005/05/06 09:45
S35	83	greg.IN. AND blodgett.IN.	US-PGPUB; USPAT	OR	ON	2005/05/06 09:46
S36	51	"synchronous output" WITH delay	US-PGPUB; USPAT	OR	ON	2005/05/06 10:03
S37	2732	"output synchronization"	US-PGPUB; USPAT	OR	ON	2005/05/06 10:10
S38	20	"output synchronization" WITH transition	US-PGPUB; USPAT	OR	ON	2005/05/06 10:16
S39	110	"output buffer" WITH (transition ADJ2 detect\$)	US-PGPUB; USPAT	OR	ON	2005/05/06 10:17
S40	0	S31 WITH "output buffer"	US-PGPUB; USPAT	OR	ON	2005/05/06 10:46
S41	14	transistion ADJ detection	US-PGPUB; USPAT	OR	ON	2005/05/06 10:51
S42	1142	327/141.CCLS.	US-PGPUB; USPAT	OR	ON	2005/05/06 10:51
S43	79	S42 AND "output buffer"	US-PGPUB; USPAT	OR	ON	2005/05/06 11:22
S44	9387	transition WITH detection	US-PGPUB; USPAT	OR	ON	2005/05/06 11:22
S45	207	S44 AND "variable delay"	US-PGPUB; USPAT	OR	ON	2005/05/06 11:40
S46	2097	RAM AND (synch\$ ADJ output)	US-PGPUB; USPAT	OR	ON	2005/05/06 11:42
S47	31	(synch\$ ADJ output).ti.	US-PGPUB; USPAT	OR	ON	2005/05/06 12:13
S48	2585	prescale\$	US-PGPUB; USPAT	OR	ON	2005/05/06 12:13
S49	16	S48 AND transistion	US-PGPUB; USPAT	OR	ON	2005/05/06 12:22
S50	369	S48 AND "output buffer"	US-PGPUB; USPAT	OR	ON	2005/05/06 12:42
S51	19411	"output latch"	US-PGPUB; USPAT	OR	ON	2005/05/06 12:42
S52	3	S51 WITH transistion	US-PGPUB; USPAT	OR	ON	2005/05/06 12:42
S53	1	"synchronous output latch"	US-PGPUB; USPAT	OR	ON	2005/05/06 12:45
S54	2	"synchronous prescaler"	US-PGPUB; USPAT	OR	ON	2005/05/06 12:46

## EAST Search History

S55	8	(variable WITH delay ADJ latch)	US-PGPUB; USPAT	OR	ON	2005/05/06 12:52
S56	4572	"output buffer" WITH "clock"	US-PGPUB; USPAT	OR	ON	2005/05/06 12:52
S57	16	"output buffer" WITH "clock timing"	US-PGPUB; USPAT	OR	ON	2005/05/06 12:52
S58	6	("5642082"   "5822255"   "5939913"   "5973525"   "5990715"   "6194932").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/06 12:54
S59	9	("6476653").URPN.	USPAT	OR	ON	2005/05/06 12:59
S60	13519	"output buffer" AND sense	USPAT	OR	ON	2005/05/06 12:59
S61	2944	"output buffer" WITH sense	USPAT	OR	ON	2005/05/06 12:59
S62	2566	"output buffer" WITH "sense amplifier"	USPAT	OR	ON	2005/05/06 13:00
S63	0	"output buffer" WITH "sense amplifier" WITH transistion\$	USPAT	OR	ON	2005/05/06 13:00
S64	2	"output buffer" WITH "sense amplifier" WITH variable	USPAT	OR	ON	2005/05/06 13:02
S65	444	"clock synchronization" AND "output buffer"	USPAT	OR	ON	2005/05/06 13:02
S66	434	S65 AND @ad<"20030101"	USPAT	OR	ON	2005/05/09 11:28
S67	6	S66 AND transistion	USPAT	OR	ON	2005/05/06 13:02
S68	1	transistion WITH (clock ADJ synch\$)	USPAT	OR	ON	2005/05/09 11:37
S69	14	synch\$ ADJ2 transistion\$	USPAT	OR	ON	2005/05/09 11:30
S70	564	375/355.CCLS.	USPAT	OR	ON	2005/05/09 11:58
S71	0	S70 AND (output ADJ2 transistion)	USPAT	OR	ON	2005/05/09 11:38
S72	562	(output WITH transistion)	USPAT	OR	ON	2005/05/09 11:54
S73	71	(output WITH transistion) WITH clock	USPAT	OR	ON	2005/05/09 11:42
S74	133	"current data" AND "future data"	USPAT	OR	ON	2005/05/09 11:42
S75	66	S74 AND synch\$	USPAT	OR	ON	2005/05/09 11:50
S76	10	synch\$ ADJ transistion	USPAT	OR	ON	2005/05/09 12:20
S77	17	(output WITH transistion) WITH synch\$	USPAT	OR	ON	2005/05/09 12:42
S78	31	S70 AND "output latch"	USPAT	OR	ON	2005/05/09 11:58
S79	27	S70 AND "output buffer"	USPAT	OR	ON	2005/05/09 11:58
S80	2424	time AND "output transition"	USPAT	OR	ON	2005/05/09 12:20
S81	688	synch\$ ADJ transition	USPAT	OR	ON	2005/05/09 12:20
S82	227	(synch\$ ADJ transition) WITH clock	USPAT	OR	ON	2005/05/09 12:20

## EAST Search History

S83	1606	(output WITH transition) WITH synch\$	USPAT	OR	ON	2005/05/09 12:43
S84	82	(output ADJ transition) WITH synch\$	USPAT	OR	ON	2005/05/09 12:43
S85	2	"6,637,447".pn. "6,368,227".pn.	US-PGPUB; USPAT	OR	ON	2005/10/17 13:59
S86	4	"6749218"	US-PGPUB; USPAT	OR	ON	2005/10/17 14:01
S87	1	"4,022,227".pn.	US-PGPUB; USPAT	OR	ON	2005/10/17 14:01
S88	6	("5642082"   "5822255"   "5939913"   "5973525"   "5990715"   "6194932").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/17 14:02
S89	12	("6476653").URPN.	USPAT	OR	ON	2005/10/19 08:32
S90	1974	326/93-98.CCLS.	USPAT	OR	ON	2005/10/19 08:32
S91	2193	326/93-98.CCLS.	US-PGPUB; USPAT	OR	ON	2005/10/19 10:19
S92	1860	S91 AND clock	US-PGPUB; USPAT	OR	ON	2005/10/19 10:02
S93	1693	S92 AND @ad<"20030101"	US-PGPUB; USPAT	OR	ON	2005/10/19 08:34
S94	721	S93 AND buffer	US-PGPUB; USPAT	OR	ON	2005/10/19 08:36
S95	228	S93 AND (output ADJ buffer)	US-PGPUB; USPAT	OR	ON	2005/10/19 10:02
S96	5	("5332932"   "5355029"   "5838177"   "6028488"   "6271699").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/19 09:28
S97	1	("6590421").URPN.	USPAT	OR	ON	2005/10/19 09:32
S98	3	("5473570" "6590421" "6703868").PN.	USPAT	OR	ON	2005/10/19 09:32
S99	144	S91 AND (clock ADJ delay)	US-PGPUB; USPAT	OR	ON	2005/10/19 10:02
S100	129	S99 NOT S95	US-PGPUB; USPAT	OR	ON	2005/10/19 10:02
S101	1737	S91 AND @ad<"20020301"	US-PGPUB; USPAT	OR	ON	2005/10/19 10:19
S102	1660	S101 NOT S100	US-PGPUB; USPAT	OR	ON	2005/10/19 10:19
S103	1436	S102 NOT S95	US-PGPUB; USPAT	OR	ON	2005/10/19 10:59
S104	80	326/28.CCLS.	US-PGPUB; USPAT	OR	ON	2005/10/19 10:59

## EAST Search History

S10 5	20096	"output latch"	US-PGPUB; USPAT	OR	ON	2005/10/27 11:17
S10 6	43457	"output buffer"	US-PGPUB; USPAT	OR	ON	2005/10/27 11:17
S10 7	72	(current WITH future ADJ2 signal)	US-PGPUB; USPAT	OR	ON	2005/10/27 11:32
S10 8	8571	375/354-376.CCLS.	US-PGPUB; USPAT	OR	ON	2005/10/27 11:32
S10 9	7564	S108 AND @ad<"20030101"	US-PGPUB; USPAT	OR	ON	2005/10/27 13:34
S11 0	2697	S109 AND transition	US-PGPUB; USPAT	OR	ON	2005/10/27 11:36
S11 1	139	S109 AND "output transition"	US-PGPUB; USPAT	OR	ON	2005/10/27 11:43
S11 2	13	S109 AND transition ADJ2 speed	US-PGPUB; USPAT	OR	ON	2005/10/27 11:52
S11 3	155	S109 AND (synchronize ADJ3 output)	US-PGPUB; USPAT	OR	ON	2005/10/27 11:52
S11 4	149	S113 NOT S111	US-PGPUB; USPAT	OR	ON	2005/10/27 11:53
S11 5	8571	375/354-376.CCLS.	US-PGPUB; USPAT	OR	ON	2005/10/27 13:34
S11 6	7564	S115 AND @ad<"20030101"	US-PGPUB; USPAT	OR	ON	2005/10/27 13:34
S11 7	7564	S116	US-PGPUB; USPAT	OR	ON	2005/10/27 13:35
S11 8	26	S117 AND (output WITH speed WITH transition)	US-PGPUB; USPAT	OR	ON	2005/10/27 13:43
S11 9	1741	(output WITH speed WITH transition)	US-PGPUB; USPAT	OR	ON	2005/10/27 13:44
S12 0	1715	S119 NOT S118	US-PGPUB; USPAT	OR	ON	2005/10/27 13:44
S12 1	1478	S120 AND @ad<"20030101"	US-PGPUB; USPAT	OR	ON	2005/10/27 13:44
S12 2	140	(output WITH speed WITH transition WITH clock)	US-PGPUB; USPAT	OR	ON	2005/10/27 13:44
S12 3	2	375/376.CCLS. AND ("phase detector" ADJ "xor")	US-PGPUB; USPAT	OR	ON	2005/10/28 10:58
S12 4	5	375/376.CCLS. AND ("phase detector" ADJ3 "xor")	US-PGPUB; USPAT	OR	ON	2005/10/28 11:03
S12 5	0	375/376.CCLS. AND ("phase detector" ADJ3 "xnor")	US-PGPUB; USPAT	OR	ON	2005/10/28 11:03
S12 6	2	375/376.CCLS. AND ("phase detector" with "xnor")	US-PGPUB; USPAT	OR	ON	2005/10/28 11:58

## EAST Search History

S12 7	2862	"double data rate" WITH SDRAM	US-PGPUB; USPAT	OR	ON	2005/10/28 11:58
S12 8	1808	"double data rate" ADJ3 SDRAM	US-PGPUB; USPAT	OR	ON	2005/10/28 12:02
S12 9	1	"double data rate" ADJ3 SDRAM ADJ2 speed	US-PGPUB; USPAT	OR	ON	2005/10/28 12:02
S13 0	247	S128 AND @ad<"20010101"	US-PGPUB; USPAT	OR	ON	2005/10/28 13:25
S13 1	178	"710"/\$.CCLS. AND ("double data rate" WITH SDRAM)	US-PGPUB; USPAT	OR	ON	2005/10/28 13:26
S13 2	108	S131 AND @ad<"20030101"	US-PGPUB; USPAT	OR	ON	2005/10/28 13:26
S13 3	6	("4667337"   "5890005"   "6195759"   "6243779"   "6671212"   "6714460").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/28 13:31
S13 4	30	("3737808"   "4431969"   "4623805"   "5157276"   "5157277"   "5157634"   "5208833"   "5258660"   "5272390"   "5287025"   "5327031"   "5465346"   "5467040"   "5481372"   "5485490"   "5546355"   "5554945"   "5554949"   "5557335"   "5615358"   "5794020"   "5835401"   "5901190"   "5944834"   "5944836"   "5953286"   "5966731"   "5987630"   "6090150"   "6127874").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/27 09:39
S13 5	235	(align WITH output WITH buffer)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/27 09:50
S13 6	53	S135 AND (clock WITH shift)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/27 09:40
S13 7	868	(align WITH output WITH data)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/27 09:50
S13 8	201	S137 AND (clock WITH shift)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/27 09:50
S13 9	165	S138 NOT S136	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/27 09:50
S14 0	8713607	US "20030231727" A1	US-PGPUB; USPAT	OR	ON	2006/03/28 13:37

## EAST Search History

S14 1	1	"20030231727"	US-PGPUB; USPAT	OR	ON	2006/03/29 08:59
S14 2	1	"0000001".pn.	US-PGPUB; USPAT	OR	ON	2006/03/29 08:59
S14 3	9	("1").URPN.	USPAT	OR	ON	2006/03/29 09:01